



***Urban Atmospheric Observatory (UAO)  
First Planning Workshop Agenda  
27-28 January, 2003***

**27 January 2003**

- 08:30**      Opening and Welcome, Mitchell D. Erickson, Director of EML
- 08:45**      Welcome, Ralph James, Associate Laboratory Directory for Energy, Environment & National Security (EENS), BNL
- 09:00**      Introduction, Hsi-Na (Sam) Lee, EML
- 09:10**      Announcements, notices, lunch plans, etc. Michael Reynolds, BNL
- 09:15**      "Radiological/Nuclear Countermeasures Consequence Management", Michael Carter, Science & Technology, DHS Transition Office, U.S. Dept. of Homeland Security
- 09:30**      Keynote address, Edward Gabriel, Deputy Commissioner for Preparedness, The NYC Office of Emergency Management (OEM)
- 09:55**      "NARAC Urban Modeling and the Local Integration of NARAC with Cities (LINC) Program" - Gayle Sugiyama/John Nasstrom, NARAC
- 10:10**      **Coffee Break**
- 10:30**      "Observation and simulation of the polluted urban coastal boundary over NYC" - Bob Bornstein, San Jose State University
- 11:00**      "Thoughts on the challenge of establishing an Urban Atmospheric Observatory in NY Manhattan"-Tim Oke, University of British Columbia
- 11:30**      "Overview of urban dispersion models and data sets" - Steve Hanna, George Mason University
- 12:00**      **Lunch**

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- 13:00** "Fast response and high fidelity urban dispersion modeling in cities" - Michael Brown, Los Alamos National Laboratory
- 13:30** "Mesoscale modeling of the urban-area environment: An example of an operational counter-terrorism application, and the challenges of objectively assessing low-level windfield forecast skill" - Tom Warner, NCAR
- 14:00** "Manhattan modeling in support of EPA assessments following 9/11/2001" - Alan Huber, Environmental Protection Agency
- 14:30** "Defense Threat Reduction Agency (DTRA) Urban dispersion modeling program" - John Pace, DTRA/TDOC
- 15:00** **Coffee Break**
- 15:30** "NYC Map: A digital model of New York City" - Sean Ahearn, Hunter College
- 16:00** "NYC subway dispersion and above/below ground interactions" - David Brown/Tony Policastro, Argonne National Laboratory
- 16:30** "SensorNet: Common data highway for incident management" - Brian Worley, Oak Ridge National Laboratory
- 17:00** "DCNet: Meteorological monitoring network for Washington, DC - initial observations" - Will Pendergrass, NOAA
- 17:20** "The Urban Atmospheric Observatory (UAO) Pilot Experiment at NYC" - Michael Reynolds, BNL
- 17:30** "EML Pilot Studies for the Urban Atmospheric Observatory" - Hsi-Na (Sam) Lee, EML
- 17:40** "A Comprehensive Radiation Sensor system for Homeland Security", - Colin Sanderson, EML
- 17:50** "Real-time Display of EML Network Data" - Richard Larsen, EML
- 18:05** "The New Jersey Tower (The Observatory for Weather & Environmental Research)" - Alan Robock, Rutgers University
- 18:15** Wrap-up and closing comments - Michael Reynolds, BNL

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## **28 January 2003 - SCIENTIST'S WORKSHOP**

### **Begin the process of developing an initiative and designing the UAO plan**

- 09:00**        The concept: what do we mean by a test bed, long-term measurements, instrumentation network? Scientific study areas. Moderator: Steve Hanna
- 10:15**        **Coffee Break**
- 10:30**        The desired study area selected. Moderator: Bob Bornstein
- 12:00**        **Lunch** – Tour EML's roof (instrumentation related to pilot, etc.) and view NYC
- 13:30**        Instrumentation, goals of the measurements, density of observations. Moderator: Tim Oke
- 14:45**        Data collection, external data, OEM pipeline. Moderator: Rick Wagener
- 15:45**        **Coffee Break**
- 16:00**        Intensive operation in 2004 or 2005? Costs. Moderator: Michael Reynolds
- 16:30**        Follow-on open workshop. When, Where, Objectives? Moderator: Hsi-Na (Sam) Lee
- 17:00**        Plans for workshop report and initiative. Schedule. Moderators: Michael Reynolds and Hsi-Na (Sam) Lee
- 17:15**        Closing and wrap-up. Hsi-Na (Sam) Lee